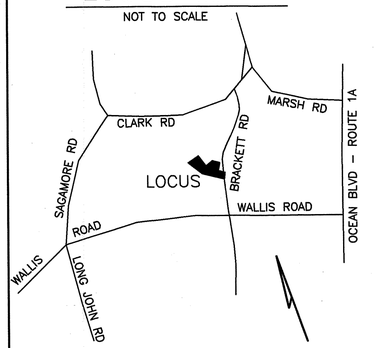
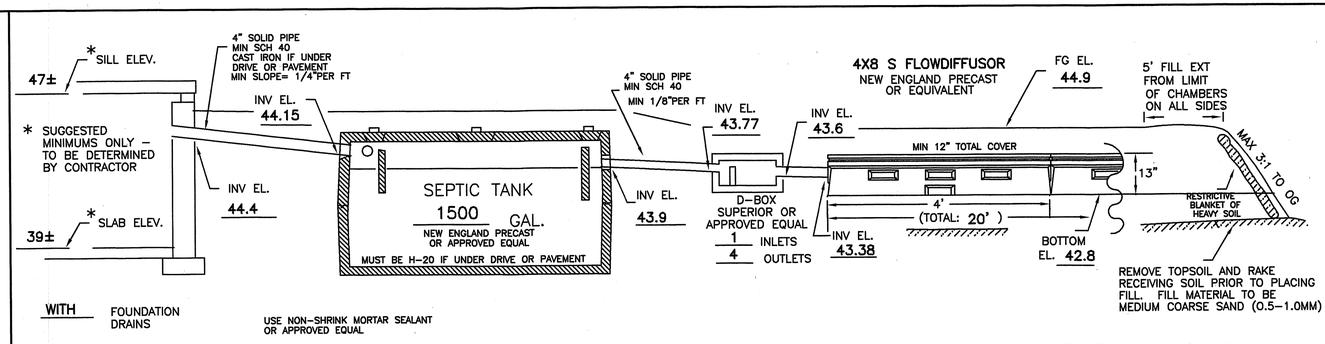
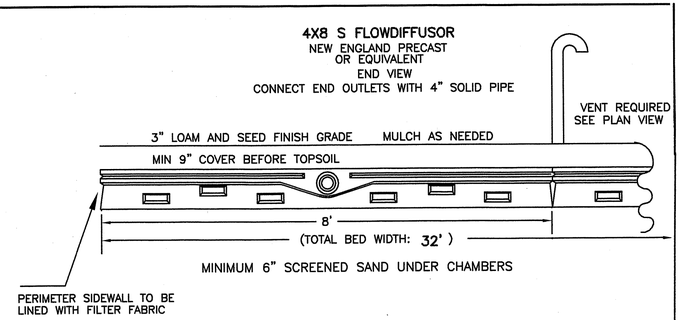
# LOCUS MAP

NOT TO SCALE





47±
* SILL ELEV.
4" SOLID PIPE MIN SCH 40 CAST IRON IF UNDER DRIVE OR PAVEMENT MIN SLOPE= 1/4"PER FT
INV EL. 44.15
* SUGGESTED MINIMUMS ONLY – TO BE DETERMINED BY CONTRACTOR
INV EL. 44.4
39±
* SLAB ELEV.
SEPTIC TANK
1500 GAL.
NEW ENGLAND PRECAST OR APPROVED EQUAL
MUST BE H-20 IF UNDER DRIVE OR PAVEMENT
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 43.9
INV EL. 43.77
D-BOX SUPERIOR OR APPROVED EQUAL
1 INLETS
4 OUTLETS
4X8 S FLOWDIFFUSOR
NEW ENGLAND PRECAST OR EQUIVALENT
INV EL. 43.6
FG EL. 44.9
5' FILL EXT FROM LIMIT OF CHAMBERS ON ALL SIDES
MIN 12" TOTAL COVER
13"
MAX 3:1 TO OG
4'
(TOTAL: 20' )
INV EL. 43.38
BOTTOM EL. 42.8
RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM COARSE SAND (0.5–1.0MM)
WITH FOUNDATION DRAINS
USE NON-SHRINK MORTAR SEALANT OR APPROVED EQUAL


4X8 S FLOWDIFFUSOR
NEW ENGLAND PRECAST OR EQUIVALENT
END VIEW
CONNECT END OUTLETS WITH 4" SOLID PIPE
VENT REQUIRED SEE PLAN VIEW
3" LOAM AND SEED FINISH GRADE
MULCH AS NEEDED
MIN 9" COVER BEFORE TOPSOIL
8'
(TOTAL BED WIDTH: 32' )
MINIMUM 6" SCREENED SAND UNDER CHAMBERS
PERIMETER SIDEWALL TO BE LINED WITH FILTER FABRIC

## CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

**SOIL CLASS:** 140 – CHATFIELD–HOLLIS–CANTON

(SOURCE: USDA–SCS SOIL SURVEY)

**BENCH MARKS:** DATUM = ASSUMED

#1 SET HUB ELEV 40.61

#2 SET HUB ELEV 41.89

#3 SET NAIL MAPLE ELEV 43.18

**DESIGN INTENT:**

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 42.8
2. THERE IS/ARE APPROX 21" FT ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. (EL 41)

**SUITABLE REPLACEMENT AREA:**

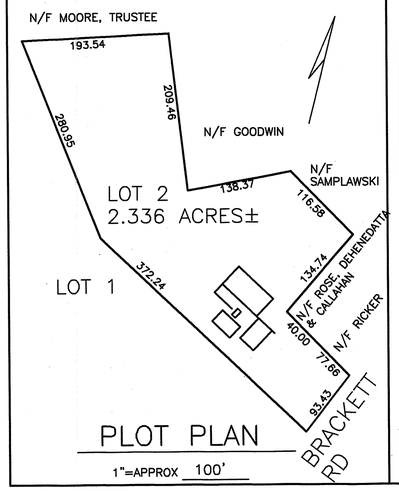
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

**LEGEND:**

50 (50) EXISTING CONTOUR
PROPOSED CONTOUR
50.0 EXISTING SPOT ELEVATION
(50.0) PROPOSED SPOT ELEVATION

**NOTES:**

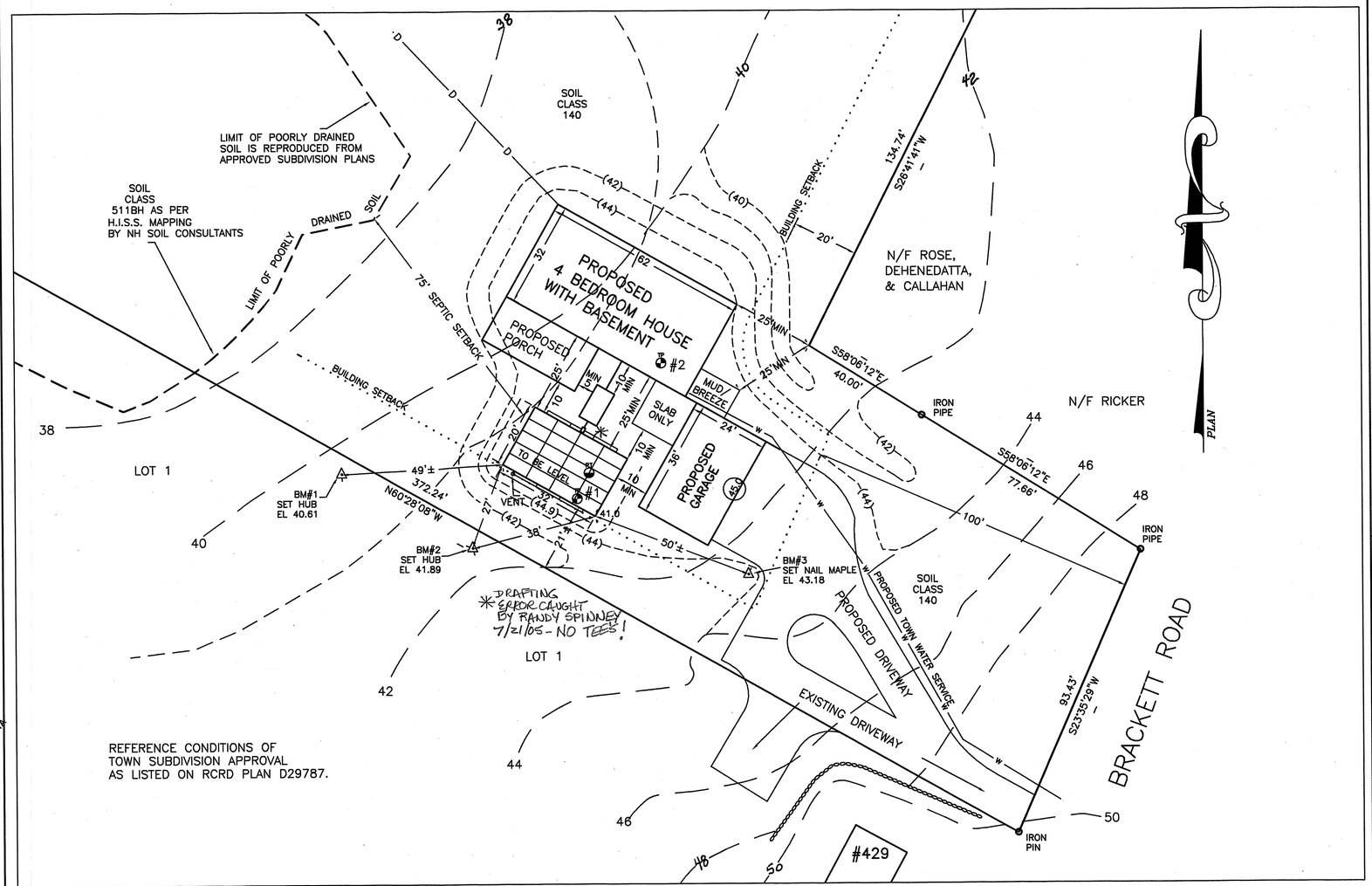
1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE:
   RCRD PLAN D29797
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: 2000002133
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 75' OF PROPOSED SYSTEM.




PLOT PLAN

1"=APPROX 100'

## PLAN : 1"=20'




REFERENCE CONDITIONS OF TOWN SUBDIVISION APPROVAL AS LISTED ON RCRD PLAN D29787.

## TEST PIT DATA

DATE: JULY 8, 2004

TOWN INSPECTOR: SUSAN ZARLENGO

**TEST PIT #1** EL 40.8

0 – 8" LOAM AND ROOT MAT (TO BE REMOVED)
8 – 32" 10YR5/6 LOAMY SAND GRANULAR FRIABLE
32–72" 2.5Y5/4 SAND WITH SILTS, MASSIVE FRIABLE, MORE SILTS WITH DEPTH
ESWHT @ 27", MOTTLES, ROOTS TO 4'+, NO OBS H2O, NO REFUSAL

**TEST PIT #2** EL 40.6

0 – 8" LOAM AND ROOT MAT
8 –32" 10YR4/6 GRAVELLY FINE SANDY LOAM GRANULAR FRIABLE
32–72" 2.5Y5/4 SAND WITH SILTS, MASSIVE FRIABLE, MORE SILTS WITH DEPTH
ESHWT @ 24", MOTTLES, NO OBS H2O, NO REFUSAL

## PERC TEST DATA

DATE 7/8/04

PERC RATE: 8 MIN/IN DEPTH: 24"

DESIGN LOADING: 4 BEDROOMS

AREA REQUIRED: 1000 SF X 0.6 (CHAMBERS) = 600 SF REQ.

AREA PROPOSED: 20 4X8S FLOWDIFFUSORS = 20' X 32' = 640 SF PROVIDED

PROPOSED

## SEPTIC SYSTEM PLAN

LOCUS: 421 BRACKETT ROAD
RYE, NH

OWNER: NILS BRADLEY
PO BOX 861
RYE, NH 03870–0861

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Ann W. Bielobrzeski No. 348 Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: JULY 12, 2004

APPROVAL: CA2004064470

**SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS**

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.